COMPARED with the earth, the moon is a tiny body, with a diameter of 2,160 miles. In the great circle of the Pacific, from which, according to an old idea, it was born, the moon would make a solitary island.



magazine Pag

The National Daily





This Day in Our History.

THIS is the anniversary of the flight of Benedict Arnold in 1780, to the British warship Vulture. The traitor thereafter led an enemy force against the patriots and was cursed by the nation that bought him.

Robert W. Chambers'

Famous Story

THE STREETS OF ASCALON

Illustrated Charles Dana Gibson

A Spirited and Swiftly Moving Romance of Hearts and High Society, by the Greatest Living Master of Fiction.

By Robert W. Chambers. † Whose Novels Have Won Him In-

ternational Fame. 66H OW could you misuse Rix by marrying him?" "By accepting what I

could never return.

"Does he ask that?" "N-no-not now. But-he wants St. And I haven't it to give. So I can't take his and let him work all his life for my comfort-I can't take it from Sir Charles and accept the position and fortune he offered

She lay silent a moment, then unclosed her eves.

"Molly," she said, "I don't be-Heve that Sir Charles is going to mind very much." Molly met her eyes for an in-

stant, very near, and a pale flash of telepathy passed between them. Then Strelsa smiled.

"You mean Chrysos," said Molly. "Yes. . . Don't you think

"She's little more than a child. I don't know. Men are that way-men of Sir Charles' age and experience are likely to drift, that way. . . But if you are done with Sir Charles, what he does no longer interests me-except that the Lacys will become insufferable

Hoping for Luck. Don't talk that way, dear."

"I don't like the family-except Chrysos."

"Then be glad of her-if it comes true. . . Sir Charles is a deay-almost too perfectly ideal to be a man. . . I do wish it for his sake. . . . He was a little unhappy over me, I think."

"He adores you still, you little villain!" whispered Molly, fondling her. "But-let poets sing and romancers rave—there's nothing that starves as quickly as love. And Sir Charles has been long fastinggood luck to him and more shame

Strelsa laughed, cleared her brow and eyes of the soft light hair, and, flinging out both arms, took Molly to her heart in a swift, hard em-

"There!" she said, breathless. "I adore you, anyhow, Molly. . . Do you think I'll get anything for my

"Yes, when you sell it. That's the hopeless part of it just at this

time of year-"Perhaps my luck will turn," said Streisa. "You know I've had an awful lot of the other kind all my life."

They laughed.

Strelsa went on: "Perhaps when I sell everything I'll have enough left over to buy a little house up here near you, Molly, and have pigs and chickens and a

A Little Left.

"How long could you stand that kind of existence, stlly?"

Streisa looked gravely back at her, then with a sigh: "It seems as though I could stand it forever, now. You know I seem to be changing a little all the while. First, when Mrs. Sprowl found me at Colorado Springs and persuaded me to come to New York I was mad for pleasure crazy about anything that promised gaiety and amusementanything to make me forget. "You know I never went any-

where in Colorado Springs; I was too ill-ill most of the time. . . And Mrs. Sprowl said she knew my mother -- it's curious, but mother never said anything about her-and she cared for fashionable

"So I came to New York last winter and you know the rest-I got tired physically, first; then so many wanted to marry me-and so many women urged me to do so many things and I was unhappy about Rix-and then came this awful financial crash---" "Stop thinking of it!"



The young lady who had advertised that she knows all about bookkeeping, stenography and typewriting, comes to see Quarren.

emotions and desires have been killed in me during the last four years. • • • And even the desire for wealth and position-which I clung to up to yesterday-somehow, now-this morning-has be-"Yes; I mean to. I only wanted wish. • • I'd rather have

you to understand how, one by one, + quiet if I could—if there's enough + Strelsa flushed. "I wonder," she + other matters seem less important." money left to let me rest some-"There will be." said Molly.

> watching her. "Do you think so? And-then there would be no necessity for-

mused. "I wonder whether-but it seems impossible that I should suddenly find I didn't care for everything I cared for this winter. Perhaps I'm too tired to care just now." "It might be," said Molly, "that something — for example, your friendship with Rix — had made

The girl looked up quickly, saw nothing in Molly's expression to disturb her, then turned her eyes away, and lay silent, considering.

If her friendship for Quarren had imperceptibly filled her mind, even crowding aside other and most im-portant matters, she did not realize

A Delightful Romance in Which a Beautiful Girl Makes a Great Sacrifice for the Gifted Young Man She Loves.

it. She thought of it now, and of + orthodoxy-but just as you dishim-recalling the letter she had written

Vaguely she was aware of the difference in her attitude toward life since she wrote that letter only a few days before. To what was it due? To his letter in reply now lying between the leaves of her New Testament on the table beside her? This was his lettert

Word From Quarren.

"Hold out, Strelsa! Matters are going well with me. Your tide, too, will turn before you know it. But neither man nor woman is going to aid you, only time, Strelsa, andsomething that neither you nor I have bothered about very muchsomething that has many names in many tongues-but they all mean the same. And the symbol of what they mean is Truth.

"Why not study it? We never have. All sages of all times have studied it and found comfort; all saints in all ages have found in it

"I find it in traces in every ancient picture that I touch. But there are books still older that have lived because of it. And one man died for it-man or God as you will -the former is more fashionable.

"Lives that have been lived because of it, given for it, forgiven for its sake, are worth our casual study.

"For they say there is no greater thing than Truth. "I can imagine no greater. And the search for it is interesting-fascinating-I had no idea how obsorbing until recently-until I first saw you, who sent me out into the world to

"Hold out-and study this curious subject of Truth for a little while. Will you?

"If you only study it a while I promise that it will interest younot in its formalisms, not in its petty rituals and observances, nor in its endless nomenclature, nor its cover it for yourself in the histories of men and women-of saint and sinner-and, above all, in the matchless life of Him who understood them all.

pectore!" Lying there, remembering his letter almost word for word, and where it now lay among printed pages incomprehensible to her except by the mechanical processes of formal faith and superficial observance, she wondered how much that, and the scarcely scanned

Molly kissed her again and went away downstairs.

printed page, might have altered

her views of life.

When she was dressed in her habit, she went out to the lawn's edge where Langly and the horses had already gathered; he put her up, and they cantered away down the wooded road that led to South

After their first gallop they slowed to a walk on the farther hill slope, chatting of inconsequential things; spirits—almost gay for him-and his short dry laugh rang out once or twice, which was more than she had heard from him in a

From moment to moment she glanced sideways at him, curiously inspecting the sleek-headed symmetry of the man. noticing, as always, his perfectly groomed figure, his narrow head and the wellcut lines of the face and jaw. Once she had seen him-the very first time she had ever met him at Miami-eating a broiled lobster.

And somehow his healthy appetite, the clean incision of his sunbronzed jaw and the working muscles, chewing and swallowing, fascinated her; and she never saw him but she thought of him esting vigorously aboard the Yulan.

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OUR PUZZLING EARTH HOW MANY MOTIONS AND MOVEMENTS HAS IT?

By Garrett P. Serviss + happens to be directed a few degrees Eminent Astronomer and Authority the northern hemisphere. It is not

Interests. "I have three large scrapbooks filled with your articles, which I would not sell for \$100 aplece. Now I am in quest of some information which I cannot find in works on astronomy or in any article of yours that I have seen. How many motions and movements has the earth? I read in Popular Astronomy the other day that it has five, but I have a vague recollection of reading somewhere that there are about a dozen of them .- H. H., Richmond, Va."

THE earth has so many move ments of one kind or another that it would probably be impossible to enumerate them all. There are no doubt some of which We are unaware

The principal ones, however, are very evident, although the relativity of motion tends to disguise their real nature. They may be divided under different heads. First, there are the motions of the earth as a whole-i. e., as an individual body, the results of which are to change its place in space with respect to other bodies, such as the sun and

the stars. The most familiar of these motions is the revolution around the sun, performed once every year. Everybody is made aware of this motion by the changes of season that it causes. Yet if the earth's axis stood upright to the plane of its orbit about the sun there would be no changing seasons, but only one season all the year round, and then only a careful watching of the other heavenly bodies would reveal the fact that the earth revolves

around the sun. A second motion of the earth as a whole through space is entirely concealed from ordinary observation just because of the lack of any conpicuous associated phenomenon, like the change of seasons, to fix popular attention upon it. This is the earth's share in the so-called

This motion, which is generally spoken of as the solar, or the sun's, motion through space, takes place in what seems a straight line, which

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icluded that Vers has any special connection with this motion. The motion is about one-third slower than that of the revolution of

the earth around the sun, and amounts to twelve miles per second. Another conspicuous motion of the earth as a whole is its daily rotation on its axis. But while this alters its aspect with regard to the heavenly bodies, causing different sides of the globe to be successively turned toward them, it does not af ct the position in space. Conceiv ably, the earth might stand still in space and yet rotate on fts axis like

The three motions just mentioned may be called the three primary motions of the earth. But these are all subjects to variations and modifications which might be treated as more or less independent, thus extending the list of movements to a dozen or more. For instance, the varying attractions of the other planets upon the earth cause it not only to wander a little aside from the smooth ellipse that it would otherwise describe around the sun, but also slightly quicken its pace it one time and retard it at another. This might be called a slight stagger of the earth, due to gravitation-

il pushing and pulling. Another similar irregularity motion is imparted to the earth by its little traveling companion, the Then, the general shape of the earth's elliptical orbit is continually, though very slowly, changing, the eccentricity becoming alternately greater and less; and this variation is one of the causes that have been hypothetically assigned to account, or help to account, for great ice ages in the earth's

geologic history. The earth's orbit, considered as whole and treated as if it were real thing instead of a mere intangible path in space, is also subject to a peculiar motion which involves, we may say, a corresponding motion of the earth, and which called "the revolution of the apsides"—the apsides being opposite points of the orbit of which one is he nearest and the other the farthest from the sun. This revolution takes about 108,000 years.

Next we come to a motion which affects the position of the axis of rotation with regard to the plane of revolution. This is called the change of the obli-quity of the ecliptic. The obliquity is greatest, when the axis leans most from a perpendicular to the plane of the orbit. This motion is very slow and irregular, requiring thousands of years to produce nota-

ble effects. At present the obliquity is 23 degrees 27 minutes 814 seconds of arc, and is decreasing about half a second per year. About 15,000 years from now the obliquity will be about 221/2 degrees, after which it will begin to increase again. The earth's action also has a motion of revolution, like that of the leaning peg of a top which gradually turns round. This motion is called the precession of the equinoxes, and nearly 26,000 years are required for one revolution of the pole of the earth's axis around the pole of the

FOR SCHOOL WEAR

-By Rita Stuyvesant-

HE advent of the school season has created a demand for smart togs, attractive and yet practical enough for rough and

Sweaters are popular just now, and of course they must be of the long sleeve, slip-on style, reaching to the hips, and belted at a low line. Some are bloused a bit over the belt. The various shades of gray are well liked, and so are the navy and dark browns. Tan and henna find a place in the Fall wardrobe. With these smart slip-on sweat-

ers. one wears a dimity blouse with collar and cuffs, starched. Plaid pleated skirts combine won-

derfully well with the sweater if one selects harmonizing colors. One piece sleeveless frocks are

handy, affording an opportunity to use blouses that have been idle since the popularity of the vest. Net or dimity guimpes are ideal, and the pongee or soft silk blouses are nice to wear with a sleeveless dress. For general utility, wool Jersey

suit, and so does mannish tweed Simple lines distinguish suits for young girls, and skirts, in accordance with the trend of the times. have taken a drop. Sports hats of velour or duvetyn or felt are favored by the college A neutral shade may be worn

in dark colors makes a serviceable

with a number of frocks and suits or one may let her taste run to the gay colored chapeau. Low-heeled shoes with wool hose are comfy for school wear, and are especially desirable in the heather mixtures. Strapped pumps in gray, black or cordovan favor low heels and are worn with the school suit.

ADVICE TO THE LOVELORN

-By Beatrice Fairfax-

Deprived of Pleasurese MAG FAIRFAX

DEAR MISS FAIRFAX A mother, who is very strict with her son, objects to him going with girls going to dances, or even talking to girls. Do you think that is right? Is she depriving him of

eighteen years old and likes the

youthful pleasures?

girls and likes to dance.

A FRIEND. OF COURSE, she is depriving him of much innocent pleasure. However, there are a great many mothers just like this one. They have left their own youth so far behind them, they can't get even one viewpoint of that of their own children. It is decidedly more It is decidedly more healthly for youth to openly participate in a few innocent pleasures than to partake secretly of those not so innocent. A wise mother knows this, and acts accordingly.

This boy is

Coral and Gold

By Elizabeth Moore Joyce native land became the one place he preferred not to visit.

WEBSTER in debt! Miss It was not until the next day that

Jane drew her rocker up to the fireplace and groaned. "If only I had a fairy godmother," sighed Miss Jane, "I'd ask her to show me some way-any way-out of my difficulties."

The gate clicked and she looked out to see a strange man coming up the walk. 'Any old things to sell, ma'am?" asked the man. "I'm looking for antiques. Ah, that's a fine old ta-Don't care to sell it?"

"No," answered Miss Jane short-

"I pay good prices," went on the man insinuatingly. That's a quaint chair beyond and that sampler's worth something. Ah, what's that?' His eyes fell on a small mahogany desk in a corner. "Madam," he exclaimed, after examining it closer, "I'll give you \$20 for that desk. Miss Jane winced. That old desk

of before this calculating stranger. "I do not wish to part with the she replied. might this little stand or those old dishes be worth?' "Oh, a few dollars, perhaps. But

had associations too sacred to speak

that desk. Now, would \$25-no, I'll say thirty-would that tempt No," she said, "I cannot let it No stranger shall ever abuse

"Why, bless your heart, madam whoever bought that piece, a genuine antique, would give it as good care as you do."

Miss Jane trembled as she let her eyes rest on the desk. In the Webster family honor had always stood before everything else. She must pay her debts. "I think," she said at length,

may take the desk, after all " though her voice trembled, With three new notes in her hand she stood aside while it was remov d from its corner. Then she placed a chair in its place and gathered up the old letters and keepsakes she had removed from it.

But as she went over them again

old memories revived and old aches throbbed at her heart. Robert Howe and she had gone over it together on one of his visits home and in a concealed drawer he had placed a trinket of coral-two interlocking hearts-that he had brought back on his last voyage. "Now I'll know both hearts are

safe while I'm away," he had said,

next trip we'll join the two hearts

"and when I come back from my

into one. Then one day there had come a misunderstanding between them, and Robert had finally gone away, taking with him the ring of twisted e had given his sweetheart. Soon after he sailed away and his It was not until the next day that

hearts. "How could I have forgotten that drawer?" she exclaimed in distress. "Well, well, bygones must be by-

Meanwhile the desk traveled far away from the sleepy little village large city. It caught the eye one day of an elderly gentleman peering aimlessly around the shop. "Bought it of a little lady up country," explained the dealer. "Hated to part with it, too, but likely had

Unnoticed by the dealer he search. ed the desk for a secret drawer which he opened, evidently finding what he had been looking for. Some bargaining ended in the purchase of

Then when the desk was finally deposited in his room at the hotel he lit a pipe and indulged in a dream There was a gentle, brown-eyed girl in the dream, and honeysuckle and moonlight. What was it they had quarreled about? He had for gotten, but even yet he could see her standing pale and drooping among the honeysuckle as he went What a fool he had been away.

He had tried to forget her in his travels, poor little brown-eyed Jane among the honeysuckle, and now this desk with its forgotten coral trinkets, which he had stumhad bridged over the weary years at a leap.

Rhoda, Miss Webster's faithful old servant, had a caller several times soon afterward, always when Once an unwieldy box arrived and the visitor and Rhoda unpacked it together in great glee. When Miss Jane came back

Rhoda, in a state of great excite-

ment, led her to the old desk stand-

ing in its accustomed place.
"Oh Rhoda, Rhoda," exclaimed Miss Jane between laughing and crying, "tell me about it." "The gentleman himself will tell replied Rhoda mysteriously "He said he'd be here early this

Jane eagerly searched through the desk, looking first in the drawer where the coral hearts had been left. But they were gone and in their place was a ring of twisted gold. On a card was written in a hand she well knew, "For Auld Lang Syne."

evening.

All atremble Miss Jane closed the drawer, a wave of happiness flooding her heart. It had indeed been the fairy godmother who had sent the antique dealer. Then the well known click of the gate roused her and all aflutter she rose to greet the old friend of her youth.

Household Suggestions

If a jelly or blancmange is wanted cold quickly, put it into small moulds-teacups will do-and if no ice is available, place the moulds in a basin and pour enough cold water to reach nearly to the top of the moulds. Add a good proportion of salt to the water, and basin in as cool a place as possible.

Fish, frogs, etc., which are able to change their color to conform with their surroundings, lose this power if they become blind?

Although blind, a Canadian exsoldier recently passed the Canadan civil service examination for employment as a shorthand clerk?

THE RHYMING **OPTIMIST**

By Aline Michaelis Ambition.

COME people sigh for money, for

millions they aspire to make life bright and sunny and sate each fond desire. Some have another yearning, they say their souls are burning to troad the path of learning and set the world aftre. Now wealthy folks and clever may call my choosing strange when I confess I'd never for gifts like theirs arrange; I'd rather far be Sadie of color dark and shady, or any other lady who runs the kitchen range. I envy not the scholor with long unruly locks nor him with many a dollar and ninety pairs of socks; but how my pulse would quicken could I but fry the chicken and set the broth to thicken while smashing pans and crocks! To luxury and riches I've not been introduced and naught save teacher's switches the cause of books could boost; but often I've sat dreaming and wondering and schem ing at thought of blisses teeming for Cook, who rules the roost. For Cook must get a present 'most every week or so, and cooks must have things pleasant and though others weep in woe! yes, mother may be wailing and father's temper ailing but Cook must have clear sailing. guest she rages and though her salary's high, she asks for extra wages when washing out a tie and if I should not heed her out say I do not need her, the ladies who succeed her will alse make me sigh. Oh, not for leaning's treasure and not for jewels rare would I give up my leisure and

DO YOU KNOW THAT—

toil within my lair; but how I crave

the power of cooks with tempers

sour, of cooks without a care.

Fines are imposed in Berlin on the parents of girls whose skirts ulated length when tested by the police.

In the reign of Queen Anne a man was sentenced to imprison ment for life for writing a pamphlet to prove that communication with the dead was possible

One teaspoonful of good arable

soil contains more living organ-

isms than their are human beings n half of the United States? Ecuador takes its name from the fact that it is situated on the

Dew will not stay on rose leaves in them.

Two-thirds of all the farmers in America own their homes. Twothirds of the city dwellers do not own their homes.

OUR INDIAN WARDS

SUPERIOR CHARACTER OF THEIR SCHOOLS.

Widely Known Lecturer and Author and a National Authority on Juvenile Problems.

OR many years I have watched the Indian boys and girls pass in and out at their schools scattered variously throughout the country. Within my memory and under the influence of a splendid scheme of education they have moved forward practically from a stage of barbarism to one of modern citizenship. This transformation of the Red Man has been one of the really great educational achievements of the Ameri

can Government.

Recently there has been another mighty "uprising" among thes aborigines, a gathering of all the tribes on the continent at the pic-A great Indian cemetery, a celebration of the progress of the past and a visualization of future purpose. Something approaching a national exposition of the Red Man's whole life and achievement were there staged on a mammoth scale. It was my happy privilege to

spend a week at this pretentious affair and conduct a national institute of juvenile welfare, with especial reference to the education and training of the young of these the Indian schools of North America were present. There were lec tures, conferences, projects and exhibits, all contributory to brief but enriched course of instruction and inspiration.

But if the foregoing statements have led anyone to imagine that our program of child guidance at the coming centenary must necessarily be something strange or unique he must be set right. Although it required a century of trial and error before this country found out that the Indian is just a plain human being, we are now fully aware of the fact.

My program of juvenile management for this event was therefore made out practically the same as for any ordinary institute. eternal human instincts, desires and awakening emotions were considered as for our own children.

The only very significant fact for us here, and one to which I wish the entire commonwealth might give heed, is the superior character of the schools and the schooling now provided for our Indian boys and girls. These Government schools are better balanced, better managed, better safeguarded-as a rule-than is the case with our public schools,

Here we have the nearest approach to a democracy of experience-the great essentials of play, work, fellowship and religion be ing wrought into the growing lives through community practice. Here we have also the best moral guardianship.

The young Indians are not permitted to run freely to the indulgence to which our own children have free access. Here, also, the health conservation is of superior order. Through balanced diet, reg-

By W. A. McKeever. + ular habits of sleep, exercise, study and work the young wards

are made wonderfully ruddy and comparatively free from bodily Finally, it is going to put an educational director upon a test of his true mettle as to the matter of giving any substantial assistance to teachers of the Indian chil-

ready practicing nearly all that is modern and inspirational in the work of training. Hail to the happy Red boys and girls who-let us hope-will continue to receive permanent bless ings from the educational ad-

dren. These instructors are al-

NEW USE FOR TELEPHONE

Fish when they swim make a noise, and this, it is said, can be detected by the telephone. Most of us have watched with interest the movements of shoals of fish beneath the surface of the sea or of a lake, but few will have associated with those movements the idea of noise. Nevertheless, such movements do make a noise, and Norwegian fishermen have taken advantage of that fact to devise an arrangement to assist them in detecting and locating fish at considerable depths. They lower microphone by means of a wire from their boat into the water, the other end of the wire being connected with a telephone receiver on the boat. As the latter slowly proceeds on her course in search of a haul, an operator keeps the re and he can tell instantly when a shoal of fish is being approached.

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possibly injure the hair.

Simply moisten your hair with water and rub it in. On or two teaspoon ful of Mulsified will make an abundance of rich, creamy lather, and cleanses the hair and scalp thoroughly. The lather rinses out easily and removes every particle of dust, dirt, dandruff and excessive oil. The hair dries quickly and evenly, and it leaves it fine and silky, bright, fluffy and easy to manage.

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